

PARAMETER TITLE: Clean Room Requirement

VALUE	
UPPER	
ACCEPTABLE	Class 100,000
LOWER	

APPLICATION	
MISSION	
CATEGORY	III and IV
PLANET	All

PARAMETER DEFINITION: Procedures for spacecraft and payload assembly.

APPLICABLE SOURCE: Spacecraft and payloads.

CONSTRAINTS: All Category III and IV missions shall assemble and maintain spacecraft and payloads in Class 100,000 clean rooms, in the operational mode (Ref. 1). The class is to be monitored and verified, with the sampling frequency and number of locations per a clean zone as specified in Ref. 1 for any flight hardware location within the clean room. Attendant controls and procedures must be similar to those employed by the Viking Project. This requirement is independent of any other requirement, e.g., any bioburden limitation.

REFERENCES: 1. "Clean Room and Clean Work Station Requirements, Controlled Environments", Federal Standard No. 209C, 1987 (or latest revision).

Planetary Protection Officer

Date